Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		ADSL with EP-A-O "795" 984DSL with standard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:51
S1	8	"5519731".pn. "5673290".pn. "5917809".pn. "5742527".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:05
S2	1	"5519731".PN.	USPAT; USOCR	OR	ON	2005/01/26 16:26
S3	21	(multi adj standard) same modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:56
S4	7	(multi adj standard) same modem and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:57
S5	0	S3 and decinat$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:41
S6	8018	dsl and modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:42
S7	5711	dsl with modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:42
S8	7	S3 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:48

S9	26	"795984"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:49
S10	96	ADSL with vdSL with standard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:40
S11	20	(multi adj standard) and modem and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:37
S12	73	(multi adj (standard or mode)) and modem and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:58
S13	58	(multi adj mode) and modem and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:00
S14	2	"2048" and "4096" and "4.3125" and vdsl and adsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:02
S15	26	"2048" and "4.3125" and vdsl and adsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:03
S16	137	decimator and (IFFT or (inverse adj fast adj fourier adj transform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:14

S17	23	decimator with (IFFT or (inverse adj fast adj fourier adj transform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:15
S18	28	decimator same (IFFT or (inverse adj fast adj fourier adj transform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:27
S19	24	universal adj ((digital adj subcriber adj line) or DSL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:39
S20	20	universal adj ((digital adj subcriber adj line) or DSL) and (IFFT or (inverse adj fast adj fourier adj transform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:29
S21	1	radix with adsl with modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:40
S22	1	radix same adsl same modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:40
S23	1	radix with adsl same modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:41
S24	9	radix and adsl same modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:41

S25	24	radix and adsl and modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:42
S26	87	radix with IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:42
S27	3	selectable with IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 18:42
S28	217	adsl with vdsl with modem	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 19:18
S29	73	(multi adj (standard or mode)) and modem and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:37
S30	0	ADSL with vdSL with "2048" with "4.3125" with "128"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:41
S31	0	ADSL same vdSL same "2048" same "4.3125" same "128"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:41
S32	24	ADSL and vdSL and "2048" and "4. 3125" and "128"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:43

S33	137	(IFFT or (inverse adj fast adj fourier adj transform)) and decimator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:57
S34	1	S32 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:55
S35	23	(IFFT or (inverse adj fast adj fourier adj transform)) with decimator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 06:57
S36	73	375/217	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:04
S37	0	S32 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:04
S38	4507	375/222	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:09
S39	8	S32 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:10
S40	2338	375/260	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:13

S41	9	S32 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:13
S42	1720	375/261	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:13
S43	1	S32 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:13
S44	863	375/298	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:13
S45	0	S32 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:14
S46	2392	455/557	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:14
S47	0	S32 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S48	0	713/358	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22

S49	1026	370/203	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S50	0	S32 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S51	1093	370/206	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S52	0	S32 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S53	881	370/210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S54	3	S32 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 07:22
S55	12	ADSL and vdSL and "2048" and "4. 3125" and "128" and (FDE or (frequency adj domain adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:59
S56	263	ADSL and (FDE or (frequency adj domain adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:25

S57	7017	(FDE or (frequency adj domain adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:26
S58	1	radio with frequency with canceller with dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:27
S59	11	radio same frequency same canceller and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:28
S60	1	radio same frequency same canceller and dsl and IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:28
S61	7	radio same frequency same canceller and IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:28

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[PDF] DESIGN OF A DMT-BASED BASEBAND TRANSCEIVER FOR VERY-HIGH-SPEED ...
File Format: PDF/Adobe Acrobat - View as HTML
... Table 1: Parameters in ETSI **VDSL** standard ... of Sub-carrier 256, 512, 1024, **2048**, **4096**
Cyclic Prefix ... 80, 160, 320, 640 Sub-carrier Spcaing **4.3125** kHz Constellation ...
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[PDF] ETSI TM6 TD13 Edinburgh Sept 20-24, 1999
File Format: PDF/Adobe Acrobat - View as HTML
... 8192 (**4096**) 512 FFT Size **VDSL** (default) **ADSL** 1.3 MHz (650 kHz) ... Excess bandwidth **4.3125**
kHz **4.3125** kHz Tone width ... Cyclic ext length **4096** (**2048**) 256 # of tones ...
www.stanford.edu/class/ee379c/additional/TD13.pdf - Similar pages

[PDF] Scalable Multi-mode **VDSL** (DMT option) for EFM-Cu
File Format: PDF/Adobe Acrobat - View as HTML
... (MHz) 2 **4096** 3 **2048** 4 1024 ... It is a DMT-based system like **ADSL** and supports 256-FFT
size • The tone spacing (Δ f= **4.3125** kHz) is the same as in **ADSL** ...
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[PDF] DMT Based **VDSL** Modem Implementation Using TMS320C64x
File Format: PDF/Adobe Acrobat
... n . The frequency spacing between two sub- carriers is fixed to **4.3125** kHz. ... 512 11
221 μs 95.25 % 1024 8 230 μs 99.1 % **2048** 5 227 μs 97.8 % **4096** 3 224 ...
doi.ieeecs.org/10.1109/ISCC.2001.935438 - Similar pages

[DOC] Choose Wisely Between QAM and DMT for **VDSL**
File Format: Microsoft Word 2000 - View as HTML
... 넓은 범위의 **VDSL** 스펙트럼에서 **4096**의 톤을 ... DMT-**VDSL** 칩 제공업체는 **2048**
톤을 구현하는 ... 는 전체 채널 또는 밴드를 **4.3125** kHz의 ...
www.semiconnet.co.kr/dataroom/. .%5Cupfiles%5Cdocs/164_03-07-인피니언.doc - Similar pages

[PDF] Το φυσικό στρώ α DSL
File Format: PDF/Adobe Acrobat - View as HTML
... από τις επι έρους τεχνολογίες x-DSL: ο ... υποκανάλια, bins •
Το κάθε bin έχει εύρος ζώνης **4.3125** KHz ...
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[PDF] Block Turbo Codes for Multicarrier Local Loop Transmission.
File Format: PDF/Adobe Acrobat - View as HTML
... The choice of the constellation (2 QAM to **2048** QAM) is given by ... 5). The maximum
number of car- rier is **4096** and the distance between carriers is **4.3125** kHz ...
www.lis.inpg.fr/pages_perso/ brossier/publications/BCHens1.pdf - Supplemental Result - Similar pages

[PDF] A rank-reduced LMMSE canceller for narrowband interference ...
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... However, the usually high SNR for many DSL applications may require a ... for an OFDM
system with subcarriers ((FFT size **4096**) in the DMT-**VDSL** scenario in ...
xdsl.ftw.at/docs/papers/ NilEtAl_2003_TCOM_ReducedRank.pdf - Similar pages

[PPT] Signal-to-Noise Ratio
File Format: Microsoft Powerpoint 97 - View as HTML
... 8192 (**4096**). 512. (I)FFT Size. **4096** (**2048**). 256. # of sub-carriers. ... Excess bandwidth.
4.3125 kHz. **4.3125** kHz. Tone width. **VDSL** (default). **ADSL**. DMT for **ADSL** and ...

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The engineering magazine for electronic components industry - [Translate this page]
... 넓은 범위의 **VDSL** 스펙트럼에 서 **4096**개의 톤을 ... 위해, DMT- **VDSL** 칩 제공업체는
2048개의 톤을 ... 전체 채널 또는 대역을 **4.3125**kHz의 ...
www.elecparts.co.kr/main_text/7sp_re.asp - 37k - Supplemental Result - Cached - Similar pages

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File Format: PDF/Adobe Acrobat - View as HTML
... The frequency spacing between two sub- carriers is fixed to **4.3125** kHz ... s 5 1024 44521
Cycles = 222 µs 4 **2048** 42594 Cycles = 212 µs 3 **4096** 39403 Cycles ...
mti.xidian.edu.cn/multimedia/ 2002/supp/icassp2001/MAIN/papers/pap1032.pdf - Supplemental Result - Similar pages

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   ... a seamless way **ADSL**, **ADSL**-Lite and **VDSL**. **VDSL** ... **4096**. 3. **2048**. 4 ... f= **4.3125** kHz) is the same as in **Al**
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   ... **ADSL** and **VDSL** technical ... to **2048** ... **4096** and the distance between carriers is **4.3125**. kHz. The noise and
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   Topologies logiques. Version 2.0.3 ... plusieurs groupes : HDSL, SDSL, **ADSL**, RADSL, **VDSL**. A chacun de ... 2C
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7. **T1E1.4/2001-009 Part1** (PDF) 🔳
   ... • **ADSL** uses 256 channels, Zipper **VDSL** uses **2048/4096**. channel (analog bandwidth up to ... Symbol length.
   idec.chonnam.ac.kr/data/2001/remo/9.26/6.pdf - 2468k - View as html - More from this site

8. **xDSL xDSL in uvajanje in uvajanje š š irokopasovnega dostopa irokopasovnega dostopa** (PDF)
   ... **ADSL** 2+, READSL 2. RADSL - Digitalni naročniški vod s prilagodljivo hitrostjo. UADSL (CDSL, G.Lite) - Univer
   lt.fe.uni-lj.si/gradiva/kos/p_xdsl_kos_2004.pdf - 3425k - View as html - More from this site

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    ... 7794 0.10% 91 0.34% **adsl**-66-72-234-24.dsl ... 5789 0.16% 1683 0.07% **3125** 0.04% 8 0.03% raph ... as3-mir
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☐ **1.** Method for configuring a xDSL modem and modem applying such procedure.
Del Toso, Christophe / Trang, Chan-Virak / STMicroelectronics S.A., *EUROPEAN PATENT APPLICATION*, Nov 2004
...modem est de **VDSL**. fonctionnant...porteuses jusqu'à **4096** et pouvant...dans un mode **ADSL**. avec un nombre...d'un modem **VDSL** interopérable en mode **ADSL**. La figure **4** illustre un...qu'en mode **ADSL**, les porteuses...régulièrement de **4.3125** kHz. Du fait...
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☐ **2.** VLSI design investigation for low-cost, low-power FFT/IFFT processing in advanced VDSL transceivers
Saponara, S. / Fanucci, L., *Microelectronics Journal*, Feb 2003
...frequency for **ADSL** and **VDSL** services. the spectral allocation for **VDSL** and **ADSL** services is shown...**4.4** 25 5 /20 **4 2048** 8.8 40 10 /30 3 **4096** 17.6 70 25 /45...for a scalable **VDSL** system [8] considering...spacing Delta f=**4.3125** kHz , a 26 American...
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Nov 2001
...of **ADSL**, **ADSL**-Lite and **VDSL** technologies...2 km 3 km **4** km 5 km 5...**VDSL ADSL ADSL**-Lite IEEE...working Group **4 VDSL** Standardization...Bandwidth (MHz) 2 **4096** 3 **2048 4** 1024 6 512...noise + 20 **VDSL** self-FEXT...interoperable with **ADSL** and **ADSL**...spacing (f= **4.3125** kHz) is the...
[http://grouper.ieee.org/groups/802/3/efm/public/nov01/...]
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☐ **4.** Multistandard DMT DSL transmission system
Mestdagh, Denis J.G. / Fargere, G&eacute / rard / Isaksson, Mikael R. / STMicroelectronics SA, *EUROPEAN PATENT APPLICATION*, May 2000
...spectrum of an **ADSL**- Lite transmission...conventional **VDSL** systems...uses either **2048** or **4096** tones spaced by **4.3125** KHz. By using...spaced by **4.3125** KHz, whereby...system, using **2048** tones or **4096** tones, is...128 or 256 (**ADSL**-Lite, **ADSL**...tones of the **VDSL**- TDD system...signatures. If an **ADSL** modem should...spacing of **4.3125** KHz. However...3125p KHz and **2048**/p or **4096**/p tones and...
Full text available at patent office. For more in-depth searching go to ⬤ LexisNexis·

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5. MULTISTANDARD DMT DSL TRANSMISSION SYSTEM
MESTDAGH, Denis, J., G. / FARGERE, G&eacute / rard / ISAKSSON, Mikael, R. / STMICROELECTRONICS S.A., *PATENT COOPERATION TREATY APPLICATION*, Jun 2000
...spectrum of an **ADSL**-Lite transmission...conventional **VDSL** systems...invention uses **4096** tones spaced by **4.3125** kHz, whereby...By using **2048** tones, the...For the **ADSL** standard...equal to **4**, and the...MHz. For a **VDSL** transmission with **2048** tones according...transmission with **4096** tones according...tones of the **VDSL**-TDD system...signatures. If an **ADSL** modem should...spacing of **4.3125** kHz. However...**3125** kHz and **4096**/p tones and...
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6. BROADBAND NETWORK ACCESS DEVICE FOR VOICE AND DATA TRANSMISSION
PANIS, Christian / SCHRANZ, Christian / ZOJER, Herbert / PREITNEGGER, Manfred / INFINEON TECHNOLOGIES AG, *PATENT COOPERATION TREATY APPLICATION*, Jan 2001
...zweier Teilträger von **4,3125** kHz ergibt, was im...Datenbasistaktes von **4, 3125** kHz ist. Mit dieser...einem Vielfachen (**4096**-fach) des Datenbasistaktes von **4,3125** kHz abgetastet und...das ein Vielfaches (**2048**-fach) dieser Sprachgrundabtastfrequenz...
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☐ **11.** Adaptive power amplification for cable modems
Agah, Michael D, / Amati Communications Corporation, *EUROPEAN PATENT APPLICATION*, Oct 2000
...particular details on an Asymmetric Digital Subscriber Line (**ADSL**) type modem can be found in American National Standards Institute...performance modem according to an embodiment of the invention FIG. **4** is a block diagram of a system power supply for a high performance...
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☐ **12.** Data allocation in multicarrier commumication systems
Chow, Jacky S. / TEXAS INSTRUMENTS INCORPORATED, *EUROPEAN PATENT APPLICATION*, Sep 2000
...Subscriber Lines (**ADSL**). Another standard...Subscriber Lines (**VDSL**). The Alliance For...sub-channels" that are each **4.3125** kHz wide in the...256, 512, 1024 or **2048** sub-channels. The **ADSL** standard also defines...invention is useful for **VDSL** and **ADSL** data transmissions...
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☐ **13.** MULTISTANDARD DMT DSL TRANSMISSION SYSTEM
MESTDAGH, Denis, J., G. / FARGERE, G&eacute / rard / ISAKSSON, Mikael, R. / STMICROELECTRONICS S.A., *PATENT COOPERATION TREATY APPLICATION*, Jun 2000
...spectrum of an **ADSL**-Lite transmission...conventional **VDSL** systems...spaced by **4.3125** kHz, whereby...By using **2048** tones, the...For the **ADSL** standard...equal to **4**, and the...MHz. For a **VDSL** transmission with **2048** tones according...tones of the **VDSL**-TDD system...signatures. If an **ADSL** modem should...spacing of **4.3125** kHz. However...
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☐ **14.** Multistandard DMT DSL transmission system
Mestdagh, Denis J.G. / Fargere, G&eacute / rard / Isaksson, Mikael R. / STMicroelectronics SA, *EUROPEAN PATENT APPLICATION*, May 2000
...spectrum of an **ADSL**- Lite transmission...conventional **VDSL** systems...uses either **2048** or 4096 tones spaced by **4.3125** KHz. By using...For the **ADSL** standard...equal to **4**, and the...MHz. For a **VDSL** transmission with **2048** tones according...tones of the **VDSL**- TDD system...signatures. If an **ADSL** modem should...spacing of **4.3125** KHz.

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decision blc
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equalizer
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Or refine
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However...3125p KHz and **2048**/p or 4096...
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☐ **15.** DIGITAL RADIO FREQUENCY INTERFERENCE CANCELLER
WIESE, Brian, R. / BINGHAM, John, A., C. / AMATI COMMUNICATIONS, Inc.,
EUROPEAN PATENT, Feb 1999
...sub-channels" that are each **4.3125** kHz wide in the...256, 512, 1024 or **2048** sub-
channels. The **ADSL** standard also defines...as available with **ADSL** and **VDSL**, is that
radio interference...frequency in a typical **VDSL** application over...transmission lines FIG.
4 is a graph illustrating...
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☐ **16.** RADIO FREQUENCY NOISE CANCELLER
**CIOFFI, John, M. / MALLORY, Mark, P. / BINGHAM, John, A. / Amati
Communications, Inc.,** *EUROPEAN PATENT*, Feb 1999
...channels" that are each **4.3125** kHz wide in the forward...128, 256, 512, 1024 or
2048 sub-channels. The **ADSL** standard also defines...such as available with **ADSL** and
VDSL, is that the radio interference...transmission, such as **VDSL** and **ADSL**, where
radio-frequency...
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☐ **17.** A telecommunications system for providing both narrowband and broadband services to
subscribers
**Czerwiec, Richard Marion / Sutherland, Joseph E. / Schepers, Peter Mathijs
Leonard / Van Wonterghem, Geert Arthur Edith / Simmering, Marlin V. /
Boeykens, Eduar Christian Maria / Van der Auwera, Chistiaan Elise Willem / Van
Rompu, Peter Alain Richard / Pynaert, Kurt / Verly, Daniel Alois Cornelius,**
EUROPEAN PATENT APPLICATION, Jan 1999
...transmission technologies, such as **ADSL** (Asymmetric Digital Subscriber...telephony
spectrum (up to 3.**4** kHz) over long distances...technologies have now made **ADSL**
practical at multimegabit...technologies, including **ADSL**, **VDSL**, HDSL, SDSL, and ISDN-
BRA...
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☐ **18.** METHOD AND APPARATUS FOR SUPERFRAME BIT ALLOCATION
**CHOW, Jacky, S. / BINGHAM, John, A., C. / AMATI COMMUNICATIONS
CORPORATION,** *PATENT COOPERATION TREATY APPLICATION*, Nov 1998
...Subscriber Lines (**ADSL**). Another standard...Subscriber Lines (**VDSL**). The Alliance
For...sub-channels" that are each **4.3125** kHz wide in the...256, 512, 1024 or **2048** sub-
channels. The **ADSL** standard also defines...invention is useful for **VDSL** and **ADSL** data
transmissions...
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☐ **19.** TIME DIVISION DUPLEXED HIGH SPEED DATA TRANSMISSION SYSTEM AND METHOD
BINGHAM, John, A., C. / TONG, Po / Amati Communications Corporation,
EUROPEAN PATENT, Apr 1998
...rates under the **ADSL** standard are intended...that are each **4.3125** kHz wide in
the...duplexing used in the **ADSL** standard is Frequency...referred to as the **VDSL** (Very
High Digital...standard. The **VDSL** standard is intended...permitted using **ADSL**.
Simultaneously...
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☐ **20.** RADIO FREQUENCY NOISE CANCELLER
**CIOFFI, John, M. / MALLORY, Mark, P. / BINGHAM, John, A. / AMATI
COMMUNICATIONS CORPORATION,** *PATENT COOPERATION TREATY APPLICATION*,
Oct 1997
...channels" that are each **4.3125** kHz wide in the forward...128, 256, 512, 1024 or

2048 sub-channels. The **ADSL** standard also defines...such as available with **ADSL** and **VDSL**, is that the radio interference...transmission, such as **VDSL** and **ADSL**, where radio-frequency...

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☐ **21.** MITIGATION OF RADIO FREQUENCY INTERFERENCE IN MULTI-CARRIER TRANSMISSION
BINGHAM, John, A., C. / AMATI COMMUNICATIONS CORPORATION, *PATENT COOPERATION TREATY APPLICATION*, Oct 1997
...rates under the **ADSL** standard are intended...that are each **4.3125** kHz wide in the...rates required by **VDSL**/FTTC, the transmission...contemplated by the **ADSL**. By way of example...frequency in a typical **VDSL** application over...transmission lines **4** Figures 7 is a...
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☐ **22.** DIGITAL RADIO FREQUENCY INTERFERENCE CANCELLER
WIESE, Brian, R. // BINGHAM, John, A., C. / AMATI COMMUNICATIONS CORPORATION, *PATENT COOPERATION TREATY APPLICATION*, Oct 1997
...Transmission rates under the **ADSL** standard are intended...sub-channels" that are each **4.3125** kHz wide in the forward...128, 256, 512, 1024 or **2048** sub-channels. The **ADSL** standard also defines...such as available with **ADSL** and **VDSL**, is that radio interference...
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☐ **23.** TIME DIVISION DUPLEXED HIGH SPEED DATA TRANSMISSION SYSTEM AND METHOD
BINGHAM, John, A., C. // TONG, Po / AMATI COMMUNICATIONS CORPORATION, *PATENT COOPERATION TREATY APPLICATION*, Jan 1997
...rates under the **ADSL** standard are intended...that are each **4.3125** kHz wide in the...duplexing used in the **ADSL** standard is Frequency...referred to as the **VDSL** (Very High Digital...standard. The **VDSL** standard is intended...permitted using **ADSL**. Simultaneously...
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